

Apparatus is used to determine the Heat Deflection Temperature or the Vicat Softening Point. All the specimens are charged with a constant load and immersed in a bath, where temperature is increased at a standard velocity. The attained heat resistance rate of plastic materials is a widely required parameter for product characterization, for quality control, as well as for evaluating their conformity to the previewed applications.

The optional software system enables to produce graphs showing the deformation of each specimen & temperature increase versus time. This tester may be used for tests conforming to the following standards: ISO 75, ISO 306, ASTM 0648, ASTM 01525, G81T 1633, G81T 1634. Housing made of steel. Stainless steel inner bath. The designed volume ensures a very good thermal exchange.

#### Technical Parameters:

Operating temperature: ambient temperature to 300°C • Heating rate: (120±10) °C/h or (50±5) °C/h • The Max Temperature Error: ±0.5°C • Distortion Range: -0.1 mm >- 1.1 mm • The Max. Distortion Error: 0.01 mm • Test Stations: 2, 3, 4, 6 • Heating Medium: methyl silicon oil • Power Supply: 110V/220V 60HZ/50HZ.



**HDT-300B4**

#### HDT-300B Series

Touch Screen Display.

Test stations: 2,4,6.

Enables to produce graphs showing the deformation of each specimen and temperature increase versus time. Temp. Measuring point: one.



**HDT-300M4**

#### HDT-300M Series

LED Display

Test stations: 2, 4, 6

Temp. Measuring point: one.



**HDT-300C4**

#### HDT-300C Series

Touch Screen Display.

Test stations: 2, 4, 6.

Enables to produce graphs showing the deformation of each specimen and temperature increase versus time.

Temp. Measuring point: one each station.